



CA7870000

# MATERIAL SAFETY DATA SHEET

MSDS NUMBER **DPM 500** 5,380-2

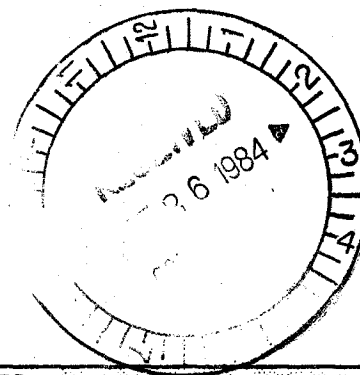
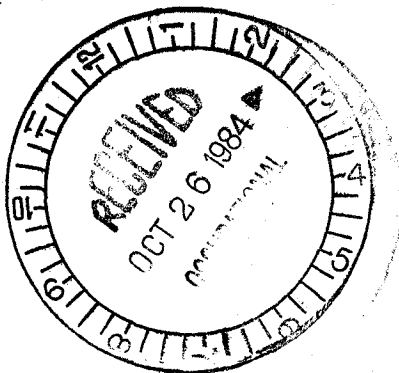
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97002 (REV 1-83)

| SECTION I          |                      | NAME          | 24 HOUR EMERGENCY ASSISTANCE |  |        |   |      |   |            |   |
|--------------------|----------------------|---------------|------------------------------|--|--------|---|------|---|------------|---|
| PRODUCT            | Acetone              |               | SHELL 713-473-9461           | <table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FIRE</td><td>3</td></tr><tr><td>REACTIVITY</td><td>0</td></tr></table> | HEALTH | 1 | FIRE | 3 | REACTIVITY | 0 |
| HEALTH             | 1                    |               |                              |  |        |   |      |   |            |   |
| FIRE               | 3                    |               |                              |  |        |   |      |   |            |   |
| REACTIVITY         | 0                    |               |                              |  |        |   |      |   |            |   |
| CHEMICAL/ SYNONYMS | DMK, dimethyl ketone |               | CHEMTREC 800-424-9300        |  |        |   |      |   |            |   |
| CHEMICAL FAMILY    | Ketone               |               | HAZARD RATING                |  |        |   |      |   |            |   |
| SHELL CODE         | 31125                | C.A.S. NUMBER | 67-64-1                      | LEAST 0 SLIGHT 1<br>MODERATE 2 HIGH 3 EXTREME 4  |        |   |      |   |            |   |

| SECTION II  |     | INGREDIENTS | TOXICITY DATA  |
|-------------|-----|-------------|--|
| COMPOSITION | %   |             |  |
| Acetone     | 100 |             | Oral LD <sub>50</sub> (rat) = 7.4g/kg<br>Dermal LD <sub>50</sub> (rabbit) = 3.24g/kg<br>Inhalation LC <sub>50</sub> (rat) = >32,000ppm/4 hours |

| SECTION III   | HEALTH INFORMATION |
|---|--------------------|
| <p>Liquid is irritating to the eyes.</p> <p>Prolonged or repeated contact of liquid with skin can cause dryness and irritation.</p> <p>Breathing high vapor concentrations or prolonged exposure to vapors can cause irritation of the eyes, nose and throat and may cause headache, dizziness, nausea and unconsciousness.</p> <p>Vapors deaden sense of smell after a short time of exposure.</p> |                    |



| SECTION IV  | OCCUPATIONAL EXPOSURE LIMITS |
|---|------------------------------|
| OSHA PEL and ACGIH TLV = 1000ppm or 2400mg/m <sup>3</sup> TWA (8-hour workday)<br>ACGIH TLV = 1250ppm or 3000mg/m <sup>3</sup> STEL |                              |



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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Remove victim to fresh air. Give artificial respiration if not breathing. Get medical attention.

**EYE CONTACT:** Flush eyes immediately with large amounts of water for at least 15 minutes. Get medical attention.

**SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing and do not reuse until they are dry.

**INGESTION:** Give large amounts of water, then induce vomiting by touching back of throat with finger. Get medical attention.

**SECTION VI****PHYSICAL DATA**BOILING POINT ▶ 133  
(°F)MELTING POINT ▶ -139  
(°F)VAPOR PRESSURE ▶ 181@68°F  
(mmHg)SPECIFIC GRAVITY ▶ 0.8@60/60°F  
(H<sub>2</sub>O=1)

% VOLATILE BY VOLUME ▶ 100

VAPOR DENSITY ▶ 2.0  
(AIR=1)

SOLUBILITY IN WATER ▶ complete

EVAPORATION RATE ▶ 5.6  
(BUTYL ACETATE=1)**APPEARANCE AND ODOR**

Colorless, mobile liquid. Mild odor.

**SECTION VII****FIRE AND EXPLOSION HAZARDS**

FLASH POINT AND METHOD USED

FLAMMABLE LIMITS/% VOLUME IN AIR

LOWER

UPPER

-15°F (TCC)

2.6

12.8

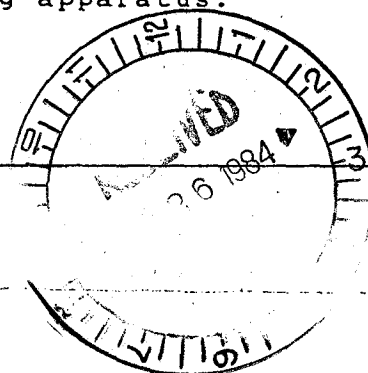
EXTINGUISHING MEDIA

Dry chemical, "alcohol" foam, CO<sub>2</sub>, water spray or fog.**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS**

Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Treat as an extremely flammable liquid.





97004 (10-79)

## SECTION VIII

## REACTIVITY

STABILITY ☐ UNSTABLE ☒ STABLEHAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

## CONDITIONS AND MATERIALS TO AVOID

Keep away from heat, sparks and open flames. No smoking. Reacts with strong oxidizing agents.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide can form upon incomplete combustion.

## SECTION IX

## EMPLOYEE PROTECTION

## RESPIRATORY PROTECTION

Use NIOSH approved respiratory protection equipment as required to prevent overexposure.

## PROTECTIVE CLOTHING

Use goggles if material can be sprayed or splashed into the eyes. Wear impervious gloves and appropriate protective clothing to prevent skin contact.

## ADDITIONAL PROTECTIVE MEASURES

Use in well ventilated areas.

## SECTION X

## ENVIRONMENTAL PROTECTION

## SPILL OR LEAK PROCEDURES

Eliminate all sources of ignition immediately and evacuate the area. Be prepared for fire.

Wear appropriate protective clothing and respiratory protection equipment when entering the spill area. Shut off leak if it can be done safely. Ventilate the area. Dike and pump off large spills into salvage or storage containers. Take up residue or small spills with absorbent material such as clay or vermiculite. Scoop up all contaminated soil and dispose of in same manner as the product. See Section XIII.

## WASTE DISPOSAL

Handle waste material in accordance with RCRA requirements. See Section XIII.

## ENVIRONMENTAL HAZARDS

Do not allow product to enter storm or sanitary sewers, lakes, rivers, streams or public water supplies. Notify local authorities if this happens or is threatened.



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PAGE 4 OF 4**SECTION XI****SPECIAL PRECAUTIONS**

Acetone is a very volatile, extremely flammable liquid.

Keep away from any source of ignition such as heat, sparks and open flame. Ground all containers when pouring or transferring liquid.

Store in tightly closed containers in a cool, well ventilated area.

Do not eat or smoke in areas where this product is handled processed or stored. Wash up with soap and water before eating, smoking, or using toilet facilities.

**SECTION XII****TRANSPORTATION REQUIREMENTS**

|  |  |   |  |  |
|--|--|---|--|--|
| DEPARTMENT<br>OF<br>TRANSPORTATION<br>CLASSIFICATION | <input checked="" type="checkbox"/> FLAMMABLE LIQUID | <input type="checkbox"/> COMBUSTIBLE LIQUID | <input type="checkbox"/> OXIDIZING MATERIAL  | <input type="checkbox"/> NON-FLAMMABLE GAS                   |
|  | <input type="checkbox"/> FLAMMABLE SOLID             | <input type="checkbox"/> POISON, CLASS A    | <input type="checkbox"/> CORROSIVE MATERIAL  | <input type="checkbox"/> NOT HAZARDOUS BY D.O.T. REGULATIONS |
|  | <input type="checkbox"/> FLAMMABLE GAS               | <input type="checkbox"/> POISON, CLASS B    | <input type="checkbox"/> IRRITATING MATERIAL | <input type="checkbox"/> OTHER—Specify below                 |

D.O.T. PROPER SHIPPING NAME

Acetone

OTHER REQUIREMENTS

D.O.T. I.D. Number 1090. Guide Sheet 26.

**SECTION XIII****OTHER REGULATORY CONTROLS**

EPA, FDA, OSHA, USDA, CPSC, etc.

**EPA - Resource Conservation and Recovery Act (RCRA)**

Acetone has been designated by the EPA (RCRA 40 CFR 261.33) as a hazardous waste if it is spilled, discarded or intended to be discarded as is. The EPA hazardous waste number is U002.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

**BE SAFE****READ OUR PRODUCT  
SAFETY INFORMATION  
... AND  
PASS IT ON**(PRODUCT LIABILITY LAW  
REQUIRES IT)  
Manager

SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
OIL AND CHEMICAL PRODUCTS  
P.O. BOX 4320  
HOUSTON, TEXAS 77210

DATE PREPARED

January 29, 1981